

## <u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

Applicants: Dimatteo et al. Examiner: Uyen T. Ho

Application No.: 10/003,149 Group Art Unit: 3731

Filed: November 2, 2001 Docket: 760-117

For: VAPOR DEPOSITION PROCESS

FOR PRODUCING A STENT-

GRAFT PRODUCED

**THEREFROM** 

Confirmation No.: 7468

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to: Commissioner for Patents, Alexandria, VA 22313

Dated: 3-1-06

Dated: November 3, 2005

Signature 1. Goodher, K. Saah

Mail Stop AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# <u>DECLARATION OF PRIOR INVENTION IN THE UNITED STATES</u> TO OVERCOME A CITED PATENT UNDER 37 C.F.R. §1.131

Sir:

- 1. We, Kristian DiMatteo, a citizen of the United States, residing at 25 Carleton Road, Waltham, Massachusetts 02451, and Robert C. Thistle, a citizen of the United States, residing at 35 Laurie Lane, Bridgewater, Massachusetts 02324, are the inventors of the above-identified application.
- 2. At the time of the invention thereof and continuously to the filing of the present application, we were employees of Boston Scientific Corporation which is the parent of SCIMED Life Systems, Inc., assignee of the present application. I, Robert C. Thistle, am

currently an employee of Boston Scientific Corporation. I, Kristian DiMatteo, was an employee of Boston Scientific Corporation until about October 7, 2005. We submit this declaration to establish completion of the invention set forth in this application in the United States at a date prior to September 27, 2000, i.e., the effective date of U.S. Patent No. 6,695,833 to Frantzen (hereinafter "Frantzen") which was cited by the Examiner in an Office Action mailed, September 2, 2005.

- 3. From the documents submitted herewith and as set forth hereinbelow, it can be seen that the invention set forth in the claims of this application was completed in the United States before September 27, 2000, which is a date earlier than the U.S. filing date of the Frantzen Patent. Such completion being evidenced conception of the invention and reduction to practice of the complete invention with diligence at a date prior to the filing date of the Frantzen reference. Exhibits A through C are submitted in support thereof. The Exhibits A through C are being submitted with their dates redacted. The actual document dates of Exhibits A through C are prior to September 27, 2000. A brief description of the documents being submitted is as follows:
  - a. A copy of a Lab Notebook Page (EXHIBIT A), dated prior to September 27, 2000, signed by one of the inventors, i.e., Robert Thistle, evidencing conception of forming a paraylene graft and a paraylene stent-graft. The exhibit further notes that samples were provided to an outside firm to prepare such a stent-graft according to the conception of the present invention detailed therein.
  - b. A copy of a Lab Notebook Page (EXHIBIT B), dated prior to September 27, 2000, signed by one of the inventors, i.e., Robert Thistle, recording photographs of one of the five paraylene stent-grafts prepared in accordance with the procedures of EXHIBIT mentioned above.
  - c. A copy of a Testing Request (EXHIBIT C), dated prior to September 27, 2000, reporting testing results for the paraylene stent-grafts which were requested by

one of the inventors, i.e., Robert Thistle. The testing results include measured thicknesses of the paraylene grafts.

This declaration is being submitted in response to a Final Office Action issued by the Examiner and therefore is believed to be timely filed.

The above-referenced exhibits establish a date of conception of the invention and reduction to practice of the complete invention with diligence at a date prior to September 27, 2000, i.e. the filing date of the Frantzen Patent.

We hereby declare that all statements made herein of my knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 11-27-2005	Kristian DiMatteo	
Dated:	Robert C. Thistle	-

HOFFMANN & BARON, LLP 6900 Jericho Turnpike Syosset, New York 11791 (973) 331-1700 one of the inventors, i.e., Robert Thistle. The testing results include measured thicknesses of the paraylene grafts.

This declaration is being submitted in response to a Final Office Action issued by the Examiner and therefore is believed to be timely filed.

The above-referenced exhibits establish a date of conception of the invention and reduction to practice of the complete invention with diligence at a date prior to September 27, 2000, i.e. the filing date of the Frantzen Patent.

We hereby declare that all statements made herein of my knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 11-27-2005

Kristian DiMatteo

Dated: Wary 15, 2006

overt C. Thistle

HOFFMANN & BARON, LLP

6900 Jericho Turnpike

Syosset, New York 11791

(973) 331-1700

Book No.	TITLE_	Varylene (	sating		
No.					
Decorded on	Proje	BOOK NO.	SA	amples	
Symphony Ster					
DATING. See Po				•	Control of the contro
eking Slip! The	_				100 mm mg, census read
evices. Sm+ cro					ED)
					A TO THE TOTAL PROPERTY OF THE TOTAL PROPERT
					The state of the s
					VELVEN ALICE PARTY AND
				and the second s	
					AND MAKE THE PARTY OF THE PARTY
					Lighting states of the control of th
					an da sanan aya sanas a
					and the second s
					and the second s
	:		And the second s	To Page I	vo 🚯
& Understood by me,		ted by thistle	bina Hea D	ate	
-Thankt	Recor	Bob Thistle		1	



# PARYLENE COATED SYMPHONY STENT

TASK NUMBER:

PREPARED BY:





£	
Part No.:	Description: Parylene Conted Symphony Yen
Serial No.:	Symphony Jen
Project No.:	<b>v</b> .
Date:	
Requester: Ash Thisk Extension: 4545	Requested Completion:
Special Instructions:	
Cross section stent	to view profile
of Coating.	Conting For Grample.
100	wine and the second
Testing Requested:  ◊ DMA Fatigue []	Metallography:  O Section & Polish []
♦ Stent Weld Shear []	O@Etch []
♦ Stent Cell Pull []	O Photograph []
♦ Stent Weld Cleave []	SEM:  Surface Image & Photo []
NiTi Resistivity []	
○ Wire Tensile []	♦ EDS Chemical Analysis []  Other: []
♦ DSC []	0
Testing Completed By: Re Nam	Date:
Comments:	Report Issued:  Request Number:

Copies are placed in File



Description:

Parylene Coated Symphony Stent

Project #:

Requester:

B. Thistle

Extension: 4545

Purpose:

To examine the profile of coating.

Method:

Used Stereo Microscope (Olympus SZH10), Metallography (Buehler Phoenix 4000), and Metallographic Mircoscope (Olympus BX60) located at Advanced Metals Technology

### Material:

N=1 Parylene coated Symphony Stent

Metallography:

A parylene coated symphony stent was requested for metallographic section to observe the coating profile. Parylene coated symphony stent was sectioned in to five parts. Each part was mounted for cross section. Each part was placed into individual mounting cup and the epoxy with a mixture of 5:1 ratios of resin to hardener was poured into the cup to cover the samples. The samples were left to cure overnight. Samples were removed from the mounting cup and were polished using Buehler Phoenix 4000 machine. 600 and 800 grit were used to remove the materials to the desired location. Nylon cloth, Masertex, and Microcloth were used for a smoother surfaces.

### Results:

Metallographic sections showed the parylene coating does embrace the wire uniformly. See attached photos for more information.

# **Cross Section to Parylene Coated Symphony Stent**

Meneurercoettingsmillerness Recoefficient (III)	0.0011	0.0012	0.0011	THE MINISTER OF THE STATE OF THE
Location (1)	Wires - merge into weld			
Magnification	-X00S			
*Moone#	832			WWW.AVehageare

ewiMeasure.©rackitength thigh ken≫kilin)	0.0011	0.0010	0.0010	155 AVE - 15 20 00 00 10 F. VIII - 10 10 10 10 10 10 10 10 10 10 10 10 10
Section Constitution	Welds		and the second s	
Magnification	200X			)  www.sees.no/ning#  www.sees.no
Mount #	833			In A AVerage A

Mersurolofiaek Lengun.	0.0011	0.0011	0.0011	(2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
e viliocation view	Welds			
Magnification (	X005			
Mount.	834			W. TrAVerage T.

We fund ok isk Longthy.	0.0012	0.0011	0.0016	[1] (1) (0) (0) (1) (1) (1) (1) (1) (1)
	Wires - Mid section of cell			
A THE MAGINITICATION TO SERVICE AND SERVIC	X009			[SANTAN HONOINACATA TAN
Wount#	835			P. S.R. Awerabe V. S. S.

Mossurolossokibergith	0.0011	0.0012	0.0011	THE SAME OF THE PROPERTY OF THE PARTY.
Althorations and a	Wires - lower part of cell			
Magnification from	200X			NEW WHIDIN/OILE SERVICE
Mount#	836			K. A. T. AV enage that the

# Cross Section fo Parylene Coated Symphony Stent

Measure Coating unickness	0.0011	0.0012	0.0011	A CONTRACTOR OF THE PARTY OF TH
Location	Wires - merge into weld			
Magnification.	200X			
Mount	832			Washing Average Angel

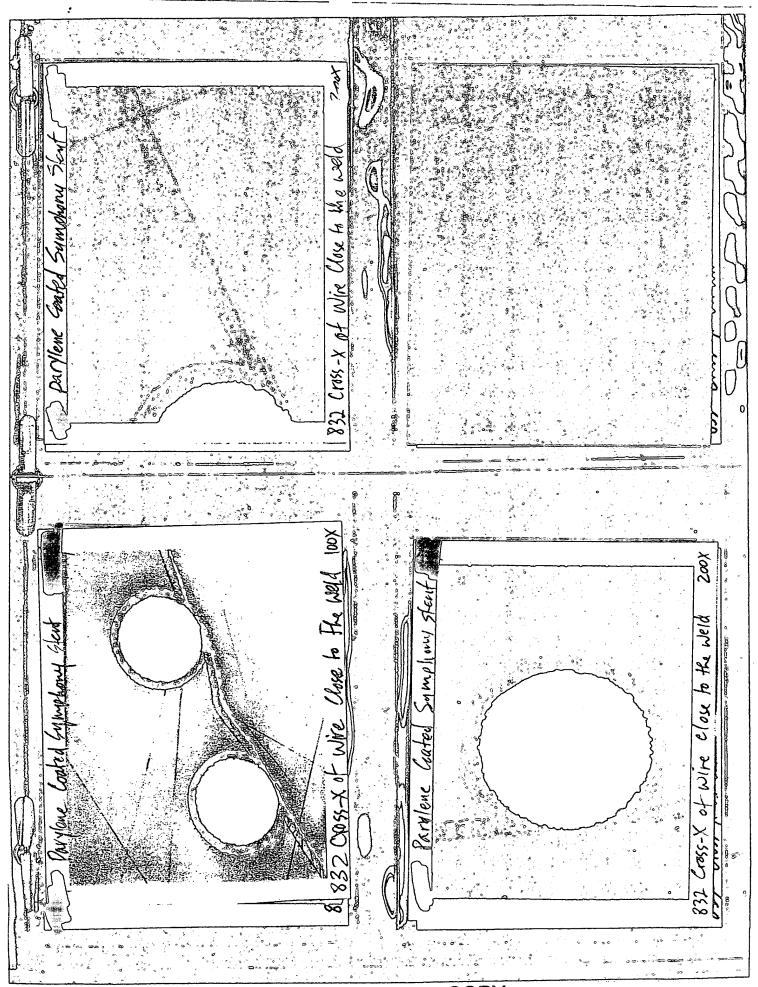
Medsure: Grack Length	0.0011	0.0010	0.0010	(in the 10)(000(0) (in the 10)
Angle Strocation   Strike	Welds			
* Magnification	200X			SOUTH HOUNDING SANGER
Mounte#	833			**************************************

255	_			25
Measure)Crack/Lengths	0.0011	0.0011	0.0011	161/00/00 - 1/1
Location	Welds			
Megniffeation	200X			#10//\log# \***
*Mounti#	834			AVerage:

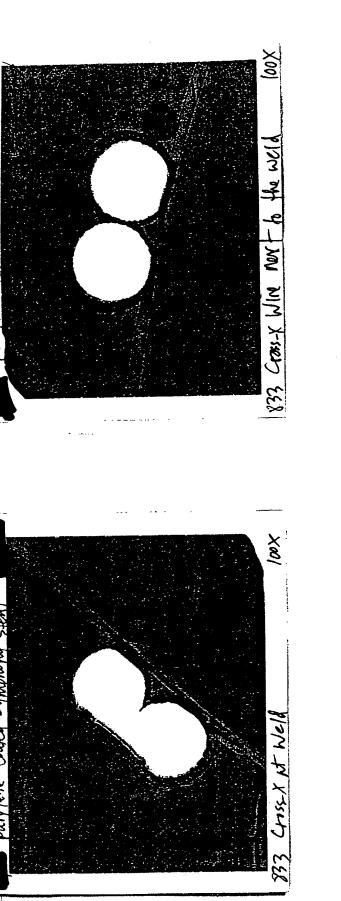
h Messinalofadivilangth :	0.0012	0.0011	0.0016	
Location	Wires - Mid section of cell			
Magnitication	200X			
Mount #	835			A Veragente

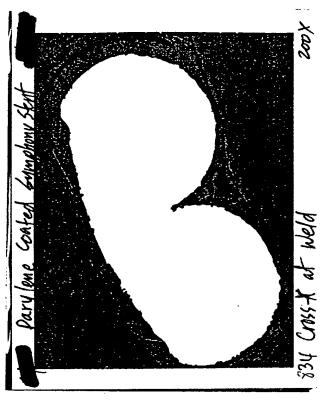
Measure/GrickLength	0.0011	0.0012	0.0011	PERMITTED AND TO THE SECOND STATES
(controver)	Wires - lower part of cell			
Magniffeation	X009			5.01710000000000000000000000000000000000
«Moonig#	836			A Werageshakeen

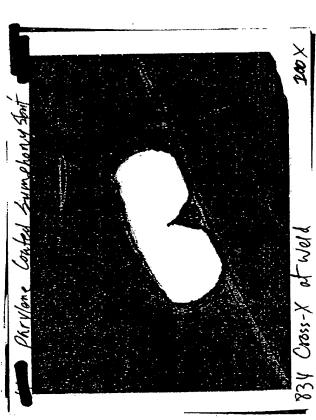
Met\_ParyleneCoatedSymphony.xls

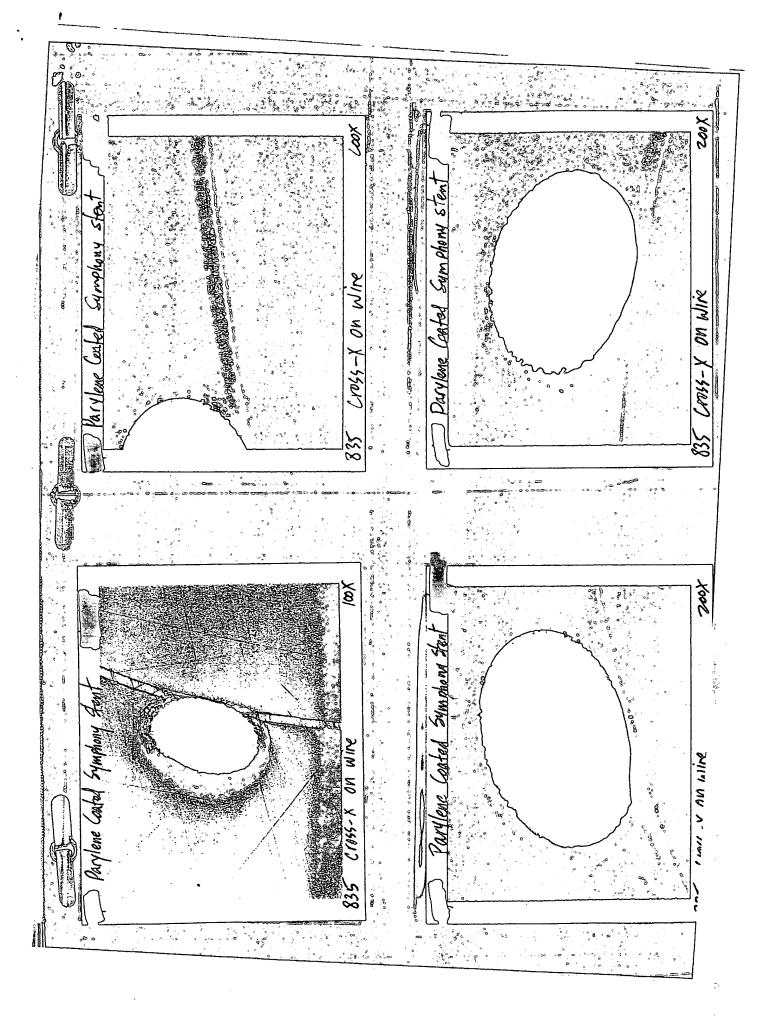


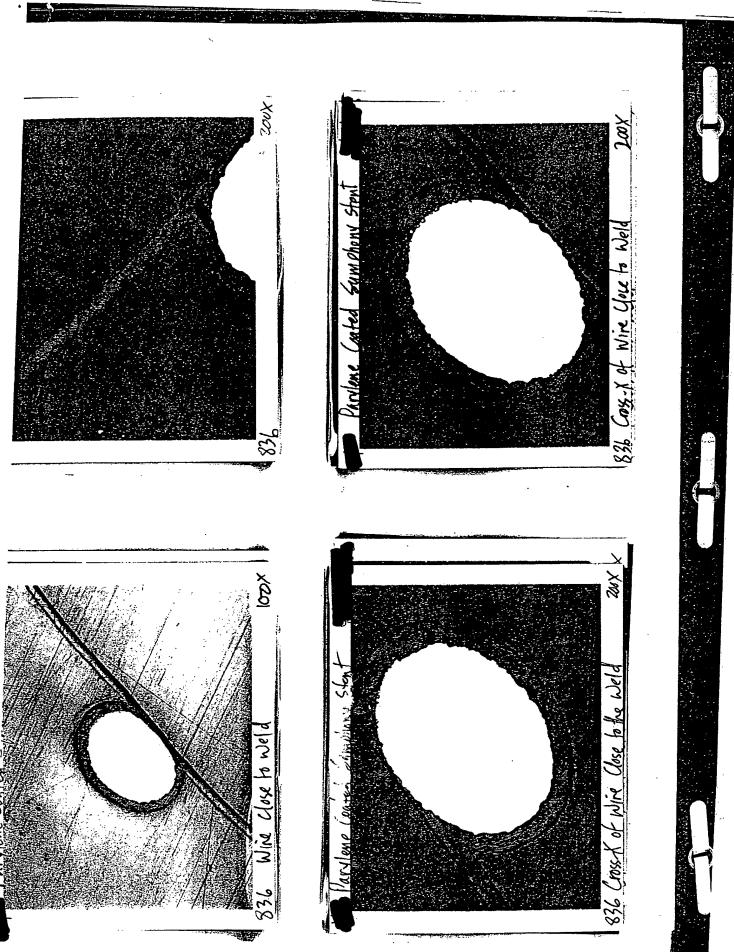
PEST AVAILABLE COPY











BEST AVAILABLE COPY

# This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:			
BLACK BORDERS			
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES			
☐ FADED TEXT OR DRAWING			
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING			
☐ SKEWED/SLANTED IMAGES			
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS			
☐ GRAY SCALE DOCUMENTS			
☐ LINES OR MARKS ON ORIGINAL DOCUMENT			
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY			
П отнер.			

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.